

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re application of: Sloan et al.

Application No. 10/687,098

Filed: October 15, 2003

Confirmation No. 7230

For: BI-SCALE RADIANCE TRANSFER

Examiner:

Art Unit: 2673

Attorney Reference No. 3382-66130-01

CERTIFICATE OF MAILING

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Attorney  
for Applicant(s)Date Mailed March 23, 2005**INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. § 1.97(b)(3)**

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Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language and/or non-English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Copies of United States patents and United States published patent applications do not have to be provided to the Patent Office (37 C.F.R. 1.98(a)(2)(ii)). Copies of unpublished U.S. applications do not have to be provided, as long as the application is available on PAIR, as this requirement of 37 C.F.R. § 1.98(a)(2)(iii) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on October 19, 2004 (1287 OG 163). Applicants will provide copies of such patents or applications upon request.

Applicants filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS.

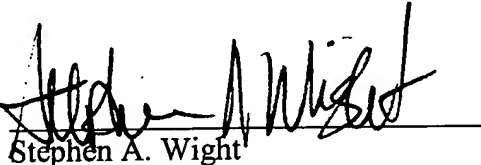
However, if the Patent Office determines that a fee is required for Applicants to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A **duplicate** copy of this Information Disclosure Statement is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By

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3382-66130-01 294341

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Attorney Docket Number	3382-66130-01
Application Number	10/687,098
Filing Date	October 15, 2003
First Named Inventor	Sloan
Art Unit	2673
Examiner Name	

**U.S. PATENT DOCUMENTS**

NOTE: If this application was filed after June 30, 2003, copies of United States patents and United States published patent applications do not have to be provided to the Patent Office. This requirement of 37 C.F.R. § 1.98(a)(2)(i) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on August 5, 2003 (1276 OG 55).

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		20030179197	Sept. 25, 2003	Sloan <i>et al.</i>
		20030234783	June 21, 2002 (filed)	Grzeszczuk <i>et al.</i>
		5,880,736	June 20, 1997 (filed)	Peercy <i>et al.</i>
		6,567,083	September 25, 1997 (filed)	Baum <i>et al.</i>
		6,697,062	August 6, 1999 (filed)	Cabral <i>et al.</i>
		6,163,319	March 9, 1999 (filed)	Peercy <i>et al.</i>

**FOREIGN PATENT DOCUMENTS**

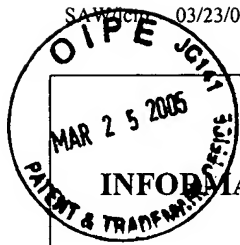
Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
		CN	1450456	Oct. 22, 2003	Kautz <i>et al.</i>
		JP	2003296750	Oct. 17, 2003	Sloan <i>et al.</i>

**OTHER DOCUMENTS**

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		Kajiya, "Anisotropic Reflection Models," <i>SIGGRAPH</i> , pp. 15-21 (1985).
		Sloan <i>et al.</i> , "Precomputed Radiance Transfer For Real-Time Rendering In Dynamic, Low-Frequency Lighting Environments," <i>SIGGRAPH</i> , pp. 527-536 (2002).
		Ashikhmin <i>et al.</i> , "Steerable Illumination Textures," <i>ACM Transactions on Graphics</i> , 2(3) (2002).
		Heidrich <i>et al.</i> , "Illuminating Micro Geometry Based On Precomputed Visibility," <i>SIGGRAPH</i> , 455-464 (2000).

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SIGNATURE:DATE  
CONSIDERED:

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.



# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

		Attorney Docket Number	3382-66130-01
		Application Number	10/687,098
		Filing Date	October 15, 2003
		First Named Inventor	Sloan
		Art Unit	2673
		Examiner Name	
		Liu <i>et al.</i> , "Synthesizing Bidirectional Texture Functions For Real-World Surfaces," <i>SIGGRAPH</i> , 97-106, 2001.	
		Tong <i>et al.</i> , "Synthesis Of Bidirectional Texture Functions On Arbitrary Surfaces," <i>SIGGRAPH</i> , 665-672 (2002).	
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		Malzbender <i>et al.</i> , "Polynomial Texture Maps," <i>SIGGRAPH</i> , 519-528 (2001).	
		Daubert <i>et al.</i> , "Hardware-Based Volumetric Knit-Wear," <i>Eurographics, Vol. 21, No. 3</i> (2002).	
		McCallister <i>et al.</i> , "Efficient Rendering Of Spatial Bi-Directional Reflectance Distribution Functions," <i>Graphics Hardware</i> (2002).	
		Kautz <i>et al.</i> , "Fast, Arbitrary BRDF Shading For Low-Frequency Lighting Using Spherical Harmonics," <i>Eurographics Workshop on Rendering</i> , 291-296 (2002).	
		Turk, "Texture Synthesis on Surfaces," <i>SIGGRAPH</i> , 347-354 (2001).	
		Sander <i>et al.</i> , "Texture Mapping Progressive Meshes," <i>SIGGRAPH</i> , 409-416 (2001).	
		Shirley <i>et al.</i> , "A Low Distortion Map Between Disk And Square," <i>Journal of Graphics Tools</i> , vol. 2, no. 3, 1997, 45-52.	
		Pradeep Sen, "Silhouette Maps for Improved Texture Magnification", <i>Graphics Hardware</i> (2004), To be presented at the SIGGRAPH/EUROGRAPHICS GRAPHICS HARDWARE WORKSHOP (2004), Grenoble, France, available at <a href="https://graphics.stanford.edu/papers/silmap_tex/silmap_tex.pdf">https://graphics.stanford.edu/papers/silmap_tex/silmap_tex.pdf</a>	
		Akers <i>et al.</i> , "Conveying Shape and Features with Image-Based Relighting," Proceedings of the IEEE Conference on Information Visualization (2003) Available at <a href="http://www-graphics.stanford.edu/papers/ib-relighting/">http://www-graphics.stanford.edu/papers/ib-relighting/</a>	
		Wang <i>et al.</i> , "View-Dependent Displacement Mapping", <i>Proceedings of ACM SIGGRAPH 2003</i> , pp. 334-339 (2003)	

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